

**BERNARD P. CARVALHO, JR.**  
Mayor



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COUNTY OF KAUAI

**DEPARTMENT OF PUBLIC WORKS**

**News Release**

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**Installation of photovoltaic system at Līhu'e Civic Center completed**

LĪHU'E – Although the installation of the photovoltaic (PV) system on the roof of the Līhu'e Civic Center's Pi'ikoi Building was completed just two weeks ago, the county is already realizing savings from the project.

"We are very pleased with the early results of the county's first photovoltaic system," said Mayor Bernard Carvalho, Jr., noting that one of the administration's Holo Holo 2020 initiatives is to incorporate as much renewable energy into county facilities as possible.

Currently, there are two PV projects that are underway at county facilities, one at the Kaiakea fire station and the other at the Waimea wastewater treatment plant.

The PV system that was installed on the Pi'ikoi rooftop is expected to generate 114,135 kWh annually, resulting in a savings of \$46,909 each year, based on Kaua'i Island Utility Cooperative's (KIUC) May 2011 Schedule P rate of 41.1 cents per kWh.

However, the actual production figures and dollar savings will depend on fluctuating weather patterns and KIUC's kWh prices.

In terms of impact to the environment, the PV system will significantly reduce greenhouse gas and carbon dioxide emissions on the island, and lessen the county's dependence on fossil fuels.

(more)

Solar Engineering and Contracting was hired to supply and install the 85 kW DC photovoltaic system on the Pi'ikoi Building. It includes a rooftop solar array, a single inverter, and related electrical metering and safety equipment.

The newly installed system has devices that provide real time production information including: daily, monthly and yearly production levels in numerical and graphic format; facility load versus PV generation; and system efficiency compared to available sunlight and power produced from an attached weather station.

The system also enables the county to change the PV production to environmental attributes also known as carbon avoidance, and has an alarm function to alert the county when the efficiency is lower than expected.

Incorporating renewable energy into county facilities to the greatest extent possible is one of 38 projects that are part of Mayor Carvalho's Holo Holo 2020 vision for Kaua'i, which calls for all organizations, businesses, residents and visitors on Kaua'i to be part of creating an island that is sustainable, values the native culture, has a thriving and healthy economy, cares for all – keiki to kupuna – and has a responsible and user-friendly local government.



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